

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims:

Listing of Claims:

1. (Currently amended) An electronic throttle valve control system comprising:

a throttle valve for controlling the amount of intake air to an internal combustion engine;

an electric motor for driving the throttle valve; and

a control section for controlling the electric motor; wherein

the throttle valve has an urging mechanism for urging the throttle valve in a closing direction;

the control section shifts the electric motor to a regenerative current generating mode to control a speed at which the throttle valve is rotated in the closing direction by an urging force of the urging mechanism when the control system has a failure; and

the control section cuts off a power from a power supply to the electric motor and then shifts the electric motor to the regenerative current generating mode.

2. (Original) The electronic throttle valve control system of Claim 1, wherein the throttle valve is rotated in the closing direction by the urging force of the urging mechanism and then held in a predetermined opening position when the control system has a failure.

3. (Currently amended) An electronic throttle valve control system comprising:

a throttle valve for controlling the amount of intake air to an internal combustion engine;

an electric motor for driving the throttle valve; and

a control section for controlling the electric motor; wherein

the throttle valve comprises a first urging mechanism for urging the throttle valve in a closing direction; and a second urging mechanism for urging the throttle valve in an opening direction,

the control section shifts the electric motor to a regenerative current generating mode to control a speed at which the throttle valve is rotated in the closing direction by a relative urging force of the first and second urging mechanisms when the control system has a failure, and

the control section cuts off a power from a power supply to the electric motor and then shifts the electric motor to the regenerative current generating mode.

4. (Original) The electronic throttle valve control system of Claim 3, wherein the throttle valve is rotated in the closing or opening direction by the relative urging force of the first and second urging mechanisms and then held in a predetermined opening position when the control system has a failure.

5. (Previously presented) The electronic throttle valve control system of Claim 2, wherein the internal combustion engine is maintained in such a state that a failure operation can be conducted when the throttle valve is held in the predetermined opening position.

6. (Currently amended) An electronic throttle valve control system comprising

a throttle valve for controlling the amount of intake air to an internal combustion engine;

an electric motor for driving the throttle valve; and

a control section for controlling the electric motor, wherein

the control section shifts the electric motor to a regenerative current generating mode to control a rotation of the throttle valve when the control system has a failure, and

the control section cuts off a power from a power supply to the electric motor and then shifts the electric motor to the regenerative current generating mode.

7. (Previously presented) The electronic throttle valve control system of Claim 6, wherein the throttle valve is held in an opening position where it is when the control system has a failure.

8. (Canceled)

9. (Previously presented) The electronic throttle valve control system of Claim 1, wherein the urging mechanism comprises a spring.

10. (Previously presented) The electronic throttle valve control system of Claim 1, wherein the electronic throttle valve control system further comprises a throttle operation mechanism for use in driving the throttle valve manually so that the throttle valve can be rotated in the closing direction when the control system has a failure.

11. (Previously presented) A two-wheeled motor vehicle provided with the electronic throttle valve control system according to Claim 1.

12. (Previously presented) The electronic throttle valve control system of Claim 4, wherein the internal combustion engine is maintained in such a state that a failure operation can be conducted when the throttle valve is held in the predetermined opening position.

13-14. (Canceled)

15. (Previously presented) The electronic throttle valve control system of Claim 3, wherein the urging mechanism comprises a spring.

16. (Previously presented) The electronic throttle valve control system of Claim 3, wherein the electronic throttle valve control system further comprises a throttle operation mechanism for use in driving the throttle valve manually so that the throttle valve can be rotated in the closing direction when the control system has a failure.

17. (Previously presented) The electronic throttle valve control system of Claim 6, wherein the electronic throttle valve control system further comprises a throttle operation mechanism for use in driving the throttle valve manually so that

the throttle valve can be rotated in a closing direction when the control system has a failure.

18. (Previously presented) A two-wheeled motor vehicle provided with the electronic throttle valve control system according to Claim 3.

19. (Previously presented) A two-wheeled motor vehicle provided with the electronic throttle valve control system according to Claim 6.

20. (Previously presented) The electronic throttle valve control system of Claim 1, further comprising a detecting section for detecting a vehicle operating condition, wherein the control section cuts off the power from the power supply to the electric motor when the detecting section detects an abnormality.

21. (Previously presented) The electronic throttle valve control system of Claim 20, wherein the detecting section is a throttle valve opening sensor.

22. (Previously presented) The electronic throttle valve control system of Claim 3, further comprising a detecting section for detecting a vehicle operating condition, wherein the control section cuts off the power from the power supply to the electric motor when the detecting section detects an abnormality.

23. (Previously presented) The electronic throttle valve control system of Claim 22, wherein the detecting section is a throttle valve opening sensor.

24. (Previously presented) The electronic throttle valve control system of Claim 6, further comprising a detecting section for detecting a vehicle operating condition, wherein the control section cuts off the power from the power supply to the electric motor when the detecting section detects an abnormality.

25. (Previously presented) The electronic throttle valve control system of Claim 24, wherein the detecting section is a throttle valve opening sensor.

26. (Currently amended) An electronic throttle valve control system comprising:

a throttle valve for controlling the amount of intake air to an internal combustion engine;

an electric motor for driving the throttle valve; and

a control section for controlling the electric motor; wherein
the throttle valve has an urging mechanism for urging the throttle valve in a
closing direction; and

the control section shifts the electric motor to a regenerative current generating mode to control a speed at which the throttle valve is rotated in the closing direction by an urging force of the urging mechanism when the control system has a failure.

27. (Currently amended) An electronic throttle valve control system comprising:

a throttle valve for controlling the amount of intake air to an internal combustion engine;

an electric motor for driving the throttle valve; and

a control section for controlling the electric motor; wherein

the throttle valve comprises a first urging mechanism for urging the throttle valve in a closing direction; and a second urging mechanism for urging the throttle valve in an opening direction, and

the control section shifts the electric motor to a regenerative current generating mode to control a speed at which the throttle valve is rotated in the closing direction by a relative urging force of the first and second urging mechanisms when the control system has a failure.

28. (Currently amended) An electronic throttle valve control system comprising

a throttle valve for controlling the amount of intake air to an internal combustion engine;

an electric motor for driving the throttle valve; and

a control section for controlling the electric motor, wherein

the control section shifts the electric motor to a regenerative current generating mode to control a rotation of the throttle valve when the control system has a failure.